The invention claimed is:

1. A transparent electroconductive film, comprising a laminate having a three-layered structure comprising a transparent, fluorine-containing resin film having at least one face and a transparent gas barrier layer disposed on said at least one face to form a transparent electroconductive layer.

2. The transparent electroconductive film according to claim 1, further comprising a surface treatment for enhancing adhesion on said at least one face of said transparent, fluorine-containing resin film.

3. A transparent electroconductive film, comprising a laminate having a three-layered structure comprising a transparent, fluorine-containing resin film having a first face and a second face, a transparent gas barrier layer disposed on said first face, and a transparent electroconductive layer disposed on second said face.

4. The transparent electroconductive film according to claim 3, further comprising a surface treatment for enhancing adhesion on both said first and second faces of said transparent, fluorine-containing resin film.

5. The transparent electroconductive film according to claim 4, further comprising a primer layer on said surface-treated face of said transparent, fluorine-containing resin film.

6. The transparent electroconductive film according to claim 3, characterized in having a flexural modulus of 1 to 100 kg/mm^2.

7. The transparent electroconductive film according to claim 3, characterized in having light transmittance of 80% or higher at a wavelength of 550 nm after heat treatment, and in having no change in appearance due to heat treatment.

8. The transparent electroconductive film according to claim 3, characterized in that the moisture absorbance of said transparent, fluorine-containing resin film is 0.1% or less.

9. A display device having a structure in which a display medium between transparent substrates, said display device characterized in that at least one of the transparent substrates comprises the electroconductive film according to claim 3.

10. The display device according to claim 9, characterized in that the display medium comprises liquid crystal.

11. The display device according to claim 10, characterized in having a polymer structure between the substrates, for maintaining a constant spacing between the substrates.

12. The display device according to claim 9, characterized in that the display medium has electrophoretic effects whereby non-transparent particles are shifted or rotated as a result of the application of a voltage, and the state of absorbance of external light changes.

13. The display device according to claim 9, characterized in that the display medium has electrodeposition effects whereby metal ionization/deposition is controlled in an electrolyte solution by means of a current injection, and the state of absorbance of external light changes.

14. The display device according to claim 9, characterized in that the display medium comprises an organic thin film or a resin film with a dispersed inorganic phosphor having electroluminescent effects whereby light is emitted as a result of a current injection or a voltage application.

15. A display device having a structure in which a display medium comprising a thin film is laminated on a transparent substrate, said display device characterized in that the transparent substrate comprises the transparent electroconductive film according to claim 3.